

We claim:

1. A padlock comprising:

a lock body having a first channel and a second channel therein;

5 a block engaged with said second channel, said block having a receptacle therein;

a shackle having a longer arm slidably received in said first channel and a shorter arm engagable with said receptacle of said block;

a general locking means formed in said lock body for locking or unlocking said longer arm of said shackle; and

10 a private locking means formed in said lock body for controlling movements of said block in order said block to be engaged with or disengaged from said shorter arm of said shackle.

2. The padlock as claimed in claim 1 wherein said general locking means is a key operated locking means and said private locking means is a combination locking means, said longer arm of said shackle having a flange near an end thereof.

3. The padlock as claimed in claim 2 further comprising a first spring therein engaged with said flange of said longer arm of said shackle for biasing said shackle and a second spring located between said combination locking means and said block for biasing said block.

20 4. The padlock as claimed in claim 2 wherein said block comprises a engaging portion having said receptacle therein and a mounting portion under said engaging portion received in said second channel of said lock body, said combination locking means comprising a stem connected to said mounting portion and plural number wheels rotatably mounted around said stem for controlling vertical movement

of said block, wherein said engaging portion is located outside of said second channel of said lock body.

5. The padlock as claimed in claim 2 wherein said block comprises a  
engaging portion having said receptacle therein and a mounting portion under said  
5 engaging portion rotatably received in said second channel of said lock body, said  
combination locking means comprising a stem connected to said mounting portion  
and plural number wheels rotatably mounted around said stem for controlling rotation  
of said block, wherein said engaging portion is located outside of said second channel  
of said lock body and said receptacle has a gap with a width larger than a diameter of  
10 said shorter arm of said shackle.

6. The padlock as claimed in claim 2 wherein said key operated locking  
means comprises: a body having a rotor received therein and a driving rod extended  
from said rotor, said rotor having a keyhole at a bottom end thereof for being engaged  
with a key, said driving rod having a notch therein engagable with said flange of said  
15 longer arm of said shackle.

7. The padlock as claimed in claim 4 further comprising a locking  
mechanism formed therein comprising:  
a locking block having a hook thereon engagable with said flange of said  
longer arm of said shackle and rectangular bump thereon; and  
20 a spring for biasing said locking block to engage with said flange of said  
longer arm of said shackle.

8. The padlock as claimed in claim 5 further comprising a locking  
mechanism formed therein comprising:  
a locking block having a hook thereon engagable with said flange of said  
25 longer arm of said shackle and rectangular bump thereon; and

a spring for biasing said locking block to engage with said flange of said longer arm of said shackle.

9. The padlock as claimed in claim 5 wherein said gap of said receptacle is a radial gap having a smallest width at an inner periphery, wherein said smallest width of said radial gap is larger than said diameter of said shorter arm of said shackle.

10. The padlock as claimed in claim 7 wherein said key operated locking means comprises: a body having a rotor received therein and a hemi-cylinder extended from said rotor, said rotor having a keyhole at a bottom end thereof for being engaged with a key, said hemi-cylinder being engaged with said rectangular bump for releasing said hook of said locking block from said flange of said longer arm of said shackle.

11. The padlock as claimed in claim 9 wherein said stem of said combination locking means having a recess at top thereof, said recess having a concave at a wall thereof, said mounting portion of said block having a protrusion thereon for being engaged with said concave, wherein said mounting portion is received in said recess.

12. A padlock comprising:

a lock body having a first channel and a second channel therein;

a block engaged with said second channel, said block having a receptacle therein;

a shackle having a longer arm slidably received in said first channel and a shorter arm engagable with said receptacle of said block;

a combination locking means formed in said lock body for locking or unlocking said longer arm of said shackle; and

a key operated locking means formed in said lock body for controlling movements of said block in order said block to be engaged with or disengaged from said shorter arm of said shackle.

13. The padlock as claimed in claim 12 wherein said block comprises: an  
5 engaging portion having said receptacle therein and a mounting portion under said engaging portion, said key operated locking means comprising a body having a rotor received therein and a driving rod extended from said rotor, said rotor having a keyhole at a bottom end thereof for being engaged with a key, said driving rod being engaged with said mounting portion of said block, said receptacle has a gap with a  
10 width larger than a diameter of said shorter arm of said shackle to be engaged therewith.

14. The padlock as claimed in claim 12 wherein, said longer arm of said shackle having a stop at an end thereof and said first channel having a opening with a diameter smaller than said stop for preventing said longer arm from fully sliding off  
15 said first channel, said combination locking means comprising a stem lockable with said stop of said longer arm of said shackle and plural number wheels rotatably mounted around said stem for locking or unlocking said longer arm of said shackle.

15. The padlock as claimed in claim 13 wherein said mounting portion has two sockets, said driving rod having two plates at an end thereof, said two plates being  
20 engaged with said two sockets for rotating said block.

16. The padlock as claimed in claim 14 wherein said block comprises: an engaging portion having said receptacle therein and a mounting portion engagable with said engaging portion, said key operated locking means comprising a body having a rotor received therein and a driving rod extended from said rotor, said rotor

having a keyhole at a bottom end thereof for being engaged with a key, said driving rod being engaged with said mounting portion of said block.

17. The padlock as claimed in claim 16 wherein said engaging portion having a first column at one end, said first column having a hole therein and an first inclined surface, said mounting portion having a second column and a cylinder extended from said second column, rotatable received in said hole of said first column, said second column has a second inclined surface engagable with said first inclined surface of said first column.

18. The padlock as claimed in claim 17 wherein said mounting portion has two sockets at an end, said driving rod having two plates at an end thereof, said two plates being engaged with said two sockets for rotating said mounting portion of said block to retreat said engaging portion to release said shorter arm of said shackle from said receptacle of said block.

19. A padlock comprising:

- a lock body having a channel therein ;
- a block pivotally received in said lock body, said block having a slot thereon;
- a spring engaged with said block for restoring said block;
- a shackle having a longer arm slidably received in said channel and a shorter arm engagable with said slot of said block;
- a combination locking means formed in said lock body for locking or unlocking said longer arm of said shackle; and
- a key operated locking means formed in said lock body for controlling rotation of said block in order said block to be engaged with or disengaged from said shorter arm of said shackle.

20. The padlock as claimed in claim 19 wherein said block has a protrusion thereon, said key operated locking means comprising a body having a rotor received therein and a hemi-cylinder extended from said rotor, said rotor having a keyhole at a bottom end thereof for being engaged with a key, said hemi-cylinder being engaged  
5 with said protrusion of said block.